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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/047,102	01/17/2002	Akira Date	500.37453CX2	6770
20457 7590 08/04/2010 ANTONELLI, TERRY, STOUT & KRAUS, LLP 1300 NORTH SEVENTEENTH STREET SUITE 1800 ARLINGTON, VA 22209-3873				
EXAMINER WENDMAGEGN, GHRUMSEW				
ART UNIT 2621		PAPER NUMBER		
MAIL DATE 08/04/2010		DELIVERY MODE PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

**Application No.**

10/047,102

**Applicant(s)**

DATE ET AL.

**Examiner**

GIRUMSEW WENDMAGEGN

**Art Unit**

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 21 April 2010.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1, 4-26 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1 and 4-26 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☒ Certified copies of the priority documents have been received in Application No. 09/369,401.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO/SI.08)  
Paper No(s)/Mail Date \_\_\_\_\_

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_  
5) ☐ Notice of Informal Patent Application  
6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

**Claim1, 4-26** are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsumoto et al (US 5,796,428) in view of Kobayashi ( US 6,108,728) and Miike et al. (US 5,787,414).

Regarding claim1, 4, 5, 18, 19, 20, Matsumoto et al (hereinafter Matsumoto) discloses a method for playing back a storage medium storing still picture data of N still pictures stored in separate N files, respectively, and still picture group management information for managing said still picture data of said N still pictures as a still picture group, where N is an integer number equal to or larger than one, wherein said still picture group management information is provided separately from any still picture management information containing management information for each still picture, and said still picture group management information has a data area for storing time data which specifies time information includes a first recording time at which the still picture data of an earliest-photographed still picture in said still picture group was recorded first by a picture-taking device, and a last recording time at which the still picture data of a latest-photographed still picture in said still picture group was recorded last by the

picture-taking device (see fig. 11 for individual picture management information and fig.15 for group of picture management information, column20 line39-50; column3 line18-36 ) but does not teach the time information only includes a first and last recording time ; method comprising: receiving an entry of a predetermined time of interest regarding still pictures recorded by the picture-taking device; comparing said predetermined time with said first and last recording times stored in said still picture group management information; and selectively playing back the still picture data belonging to said still picture group satisfying a condition in which said predetermined time is equal to or later than said first recording time and equal to or earlier than said last recording time. Kobayashi discloses recording a first recording time at which the still picture data in the still picture group was recorded first and a last recording time at which the still picture data in the still picture group was recoded last in the still picture group management information (see fig.4, recording start time and recording end time; column8 line 50-67).

One of ordinary skill in the art at the time the invention was made would have been motivated to store only the first and last recording time information in still group management information as in Kobyashi in order to use the storage medium efficiently. However, Matsumoto and Kobyashi individually or in combination do not disclose selectively playing back the still picture data belonging to said still picture group satisfying a condition in which said predetermined time is equal to or later than said first recording time and equal to or earlier than said last recording time. Miike et al discloses selectively playing back the still picture data belonging to said still picture group

satisfying a condition in which said predetermined time is equal to or later than said first recording time and equal to or earlier than said last recording time (see fig. 95, column47 line16-37; fig. 111; column49 line59-column50 line15).

One of ordinary skill in the art at the time the invention was made would have been motivated to search for images as in Miike in Matsumoto because it would allow the user to perform effective search for the desired image.

Regarding claim6, 7, 8, 21, 22, 23, Matsumoto discloses the method as claimed in claim 1, wherein said still picture data is non-movie still picture data, and wherein said still picture group management information is non-movie still picture group management information (see column4 line45-46).

Regarding claim9, Matsumoto discloses a method for playing back a storage medium storing still picture data of N still pictures stored in separate N files, respectively, and still picture group management information for managing said still picture data of said N still pictures as a still picture group, where N is an integer number equal to or larger than one, wherein said still picture group management information is provided separately from any still picture management information containing management information for each still picture, and said still picture group management information has a data area for storing time data which specifies time information includes a first recording time at which the still picture data of an earliest-photographed still picture in said still picture group was recorded first by a picture-taking device, and a

last recording time at which the still picture data of a latest-photographed still picture in said still picture group was recorded last by the picture-taking device (see fig. 11 for individual picture management information and fig.15 for group of picture management information, column20 line39-50; column3 line18-36 ) but does not teach the time information only includes a first and last recording time ; method comprising: receiving an entry of a predetermined time of interest regarding still pictures recorded by the picture-taking device; comparing said predetermined time with said first and last recording times stored in said still picture group management information; and selectively playing back the still picture data belonging to said still picture group satisfying a condition in which said predetermined time is equal to or later than said first recording time and equal to or earlier than said last recording time. Kobayashi discloses recording a first recording time at which the still picture data in the still picture group was recorded first and a last recording time at which the still picture data in the still picture group was recoded last in the still picture group management information; wherein said picture group management information excludes recording times of still pictures of said still picture group other than said first recording time of said earliest-recorded still picture and said last recording time of said latest-recorded still picture (see fig.4, recording start time and recording end time; column8 line 50-67).

One of ordinary skill in the art at the time the invention was made would have been motivated to store only the first and last recording time information in still group management information as in Kobayashi in order to use the storage medium efficiently. However, Matsumoto and Kobayashi individually or in combination do not disclose

selectively playing back the still picture data belonging to said still picture group satisfying a condition in which said predetermined time is equal to or later than said first recording time and equal to or earlier than said last recording time. Miike et al discloses selectively playing back the still picture data belonging to said still picture group satisfying a condition in which said predetermined time is equal to or later than said first recording time and equal to or earlier than said last recording time (see fig. 95, column47 line16-37; fig. 111; column49 line59-column50 line15).

One of ordinary skill in the art at the time the invention was made would have been motivated to search for images as in Miike in Matsumoto because it would allow the user to perform effective search for the desired image.

Regarding claim10,12,14, 24, 25,26, Matsumoto discloses the method as claimed in claim 1, wherein said storage medium is an optical disk, and wherein any playing back of said still picture group management information and said still picture data from the optical disk is effected using an optical reading device (see column7 line67-column8 line11).

Regarding claim11, Kobayashi discloses the storage medium as claimed in claim 4, wherein said picture group management information excludes recording times of still pictures of said still picture group other than said first recording time of said earliest-recorded still picture and said last recording time of said latest-recorded still picture (see fig.4, recording start time and recording end time; column8 line 50-67).

Regarding claim13, Kobayashi discloses the storage medium as claimed in claim 5, wherein said picture group management information excludes recording times of still pictures of said still picture group other than said first recording time of said earliest-recorded still picture and said last recording time of said latest-recorded still picture (see fig.4, recording start time and recording end time; column8 line 50-67).

Matsumoto et al (hereinafter Matsumoto) discloses a method for playing back a storage medium storing still picture data of N still pictures stored in separate N files, respectively, and still picture group management information for managing said still picture data of said N still pictures as a still picture group, where N is an integer number equal to or larger than one, wherein said still picture group management information is provided separately from any still picture management information containing management information for each still picture, and said still picture group management information has a data area for storing time data which specifies time information includes a first recording time at which the still picture data of an earliest-photographed still picture in said still picture group was recorded first by a picture-taking device, and a last recording time at which the still picture data of a latest-photographed still picture in said still picture group was recorded last by the picture-taking device (see fig. 11 for individual picture management information and fig.15 for group of picture management information, column20 line39-50; column3 line18-36 ), wherein the data area is more specifically first and last recording time data areas, used to store the first recording time and the last recording time, respectively (see fig. 11 attribute data; fig.12).



but does not teach the time information only includes a first and last recording time ; method comprising: receiving an entry of a predetermined time of interest regarding still pictures recorded by the picture-taking device; comparing said predetermined time with said first and last recording times stored in said still picture group management information; and selectively playing back the still picture data belonging to said still picture group satisfying a condition in which said predetermined time is equal to or later than said first recording time and equal to or earlier than said last recording time. Kobayashi discloses recording a first recording time at which the still picture data in the still picture group was recorded first and a last recording time at which the still picture data in the still picture group was recorded last in the still picture group management information (see fig.4, recording start time and recording end time; column8 line 50-67).

One of ordinary skill in the art at the time the invention was made would have been motivated to store only the first and last recording time information in still group management information as in Kobayashi in order to use the storage medium efficiently. However, Matsumoto and Kobayashi individually or in combination do not disclose selectively playing back the still picture data belonging to said still picture group satisfying a condition in which said predetermined time is equal to or later than said first recording time and equal to or earlier than said last recording time. Miike et al discloses selectively playing back the still picture data belonging to said still picture group satisfying a condition in which said predetermined time is equal to or later than said first

recording time and equal to or earlier than said last recording time (see fig. 95, column47 line16-37; fig. 111; column49 line59-column50 line15).

One of ordinary skill in the art at the time the invention was made would have been motivated to search for images as in Miike in Matsumoto because it would allow the user to perform effective search for the desired image.

Regarding claim16, 17, Matsumoto discloses the storage medium as claimed in claim 4, wherein the data area is more specifically first and last recording time data areas, used to store the first recording time and the last recording time, respectively (see fig. 11 attribute data; fig.12).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to GIRUMSEW WENDMAGEGN whose telephone number is (571)270-1118. The examiner can normally be reached on 7:30-5:00, M-F, alr Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tran Thai can be reached on (571)272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Girumsew Wendmagegn/  
Examiner, Art Unit 2621

/JAMIE JO ATALA/

Primary Examiner, Art Unit 2621